

Inventor(s): KOMINO et al.

Appl. No.: 09

Series Code ↑

667,770

Serial No. ↑

Filed: September 22, 2000

Hon. Commissioner of Patents  
Washington, D.C. 20231

Group Art Unit

1763

Examiner:

R. Zervigon

Atty. Dkt.

P

272798

EL0006CDC

M#

Client Ref

Appln. Title:

PLASMA PROCESSING APPARATUS,  
AND ELECTRODE STRUCTURE AND  
TABLE STRUCTURE OF  
PROCESSING APPARATUS

Sir:

REPLY/AMENDMENT/LETTER

Date: March 18, 2003

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

## FEE REQUIREMENTS FOR CLAIMS AS AMENDED

## 1. Small Entity claim

- A. ☒ NOT made  
B. ☐ Withdrawn  
C. ☐ made herewith  
D. ☐ made previously

For B & C  
See **Required**  
**Separate Paper**  
(Pat-256)

Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	54	**minus 54	0	x \$18/\$9 = + \$0	103/203
3. Independent Claims	19	***minus 18	1	x \$84/\$42 = + \$84	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) ..... add				+ \$280/\$140 = + \$0	104/204
5. Original due Date: March 18, 2003		<input type="checkbox"/> NONE			
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo) \$110/\$55 = (2 mos) \$410/\$205 = (3 mos) \$930/\$465 = (4 mos) \$1,450/\$725 = (5 mos) \$1,970/\$985 =	+ \$0		115/215 116/216 117/217 118/218 128/228
7. Enter any previous extension fee paid since above original due date and subtract			- \$0		
8.			Extension Fee	+ \$0	
9. If Terminal Disclaimer attached, add Rule 20(d) official fee .....			+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c), ..... add			+ \$180	+ \$0	126
or if Rule 97(d) Request ..... add			+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r) .....			+ \$750/370	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b) .....			x \$750/375 ea	+ \$0	149/249
13. Request for Continued Examination (RCE) .....			+ \$750/375	+ \$0	1179/1279
14. Petition fee for .....				+ \$0	
15.				<b>TOTAL FEE =</b>	<b>\$84</b>
16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".				<b>PLEASE CHARGE OUR DEP. ACCT</b>	
17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.					
18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.					

Our Deposit Account No. 03-3975)

(Our Order No. 40258

C#

M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP  
Intellectual Property Group

By Atty: Glenn J. Perry

Sig:

Reg. No. 28458

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Atty/Sec: gjp/EED

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Mitsuaki KOMINO *et al.*

Appln. No.: 09/667,770

Filed: September 22, 2000

Title: PLASMA PROCESSING APPARATUS, AND ELECTRODE STRUCTURE AND  
TABLE STRUCTURE OF PROCESSING APPARATUS

Confirmation No.: 8174

Group Art Unit: 1763

Examiner: R. Zervigon

March 18, 2003

\* \* \* \* \*

AMENDMENT

Hon. Commissioner of Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated December 18, 2002, please amend the above  
identified application as follows:

IN THE CLAIMS:

Kindly enter the following amended claims:

C1 14. (Amended) The electrode structure as claimed in claim 2, wherein said heater unit is  
divided into concentric zones, and the divided zones are controllable on an individual basis.

C2 36. (Amended) An electrode structure used in a plasma processing apparatus which  
performs a predetermined process on an object to be processed by using a plasma in a process  
chamber in which a vacuum can be formed, the electrode structure, comprising:

an electrode unit having a heater unit therein;

a cooling block joined to the electrode unit and having a cooling jacket which cools  
said electrode unit;

a heat resistant metal seal member for sealing an electrode-side heat transfer space  
formed between said electrode unit and said cooling block; and  
electrode-side heat transfer gas supply means for supplying a heat transfer gas to said  
electrode-side heat transfer space, wherein said heater unit is divided into concentric zones,  
and the divided zones are controllable on an individual basis.

RECEIVED  
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